

## Curriculum Map

<b>Subject: Science</b>	<b>Grade: 5</b>				
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Time Frame	Topic	Content	Resources	Stand.	Assess.
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September	Intro to Science	<ul style="list-style-type: none"> <li>• What is science? branches of science</li> <li>• Learn some famous scientists</li> <li>• Learn the scientific method</li> <li>• Learn about lab safety</li> </ul>	<ul style="list-style-type: none"> <li>• Supplemental teacher express workbook worksheets</li> <li>• chrome books for research</li> <li>• sci mthd poster set</li> </ul>	TE. 1 TE. 2  science history  science reading/ writing cross-curricular	<ul style="list-style-type: none"> <li>• famous sci wanted posters</li> <li>• observation mystery bags lab w/report sheets</li> <li>• intro to sci quest</li> <li>• homework</li> </ul>
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October	Earth Science	<ul style="list-style-type: none"> <li>• Solar System - order of planets</li> <li>• Orbit &amp; rotation, compare the sun, earth and moon</li> <li>• layers of the Earth</li> <li>• forces that shape Earth's surface</li> <li>• mineral properties and testing</li> <li>• learn about types of rocks</li> <li>• learn about the rock cycle</li> </ul>	<ul style="list-style-type: none"> <li>• text</li> <li>• workbook copies</li> <li>• supplemental teacher express &amp; workbook copies</li> <li>• posters &amp; charts</li> <li>• chrome books</li> <li>• mineral samples &amp; lab kit</li> <li>• rock samples</li> </ul>	ESS.1 ESS.2 ESS.3 ESS.4 ESS.12 ESS.13 ESS.14 ESS.15	<ul style="list-style-type: none"> <li>• phases of moon</li> <li>• webquest</li> <li>• mineral identification lab data sheets &amp; report</li> <li>• rock cycle poster proj</li> <li>• quizzes</li> <li>• tests</li> <li>• homework</li> </ul>
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November	Earth Science	<ul style="list-style-type: none"> <li>• what is weather and climate?</li> <li>• what are the types of precipitation?</li> <li>• the water cycle</li> <li>• effects of weather on other things such as soil/erosion and wind currents/ocean tides</li> </ul>	<ul style="list-style-type: none"> <li>• text</li> <li>• workbook sheets</li> <li>• supplemental resources</li> <li>• posters and charts</li> <li>• chrome books</li> <li>• weather station model</li> </ul>	ESS.5 ESS.6 ESS.7 ESS.8 ESS.9 ESS.10 ESS.11	<ul style="list-style-type: none"> <li>• quizzes</li> <li>• tests</li> <li>• homework</li> <li>• weather website QR code</li> <li>• posters</li> <li>• evaporation lab w/report sheets</li> </ul>
December	Life Science	<ul style="list-style-type: none"> <li>• Characteristics of plants and animals; compare &amp; contrast</li> <li>• learn about the plant kingdom; seed &amp; seedless, flowering and non-flowering</li> <li>• learn the parts of the plant including seeds and flowers</li> </ul>	<ul style="list-style-type: none"> <li>• text</li> <li>• workbook sheets</li> <li>• supplemental resources</li> <li>• posters and charts</li> <li>• chrome books</li> <li>• plant and leaf samples</li> <li>• large seeds</li> </ul>	LS. 1 LS. 2 LS. 5	<ul style="list-style-type: none"> <li>• quizzes</li> <li>• tests</li> <li>• homework</li> <li>• draw &amp; label flowering plant poster</li> <li>• plant kingdom foldable</li> </ul>
January	Life Science	<ul style="list-style-type: none"> <li>• Learn how plants make food</li> <li>• learn the life cycle of plants; review the life cycle of frogs and butterflies</li> <li>• learn how plants and animals adapt to different environments</li> </ul>	<ul style="list-style-type: none"> <li>• text</li> <li>• workbook sheets</li> <li>• supplemental resources</li> <li>• posters and charts</li> <li>• chrome books</li> </ul>	LS.3 LS.4 LS.6 LS.7 LS.8 LS.9	<ul style="list-style-type: none"> <li>• quizzes</li> <li>• tests</li> <li>• homework</li> <li>• video reflections</li> </ul>

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		through behaviors or characteristics, which are either inherited or learned	<ul style="list-style-type: none"> <li>• animal adaptations video</li> <li>• all about plants video</li> </ul>	LS.10 LS.11	<ul style="list-style-type: none"> <li>• human adaptations foldables</li> </ul>
February	Physical Science	<ul style="list-style-type: none"> <li>• learn about matter and properties of matter</li> <li>• learn states of matter</li> <li>• learn what energy is and its basic forms and types, potential and kinetic; also transfer of energy</li> <li>• learn about electrical and heat energy</li> </ul>	<ul style="list-style-type: none"> <li>• text</li> <li>• workbook sheets</li> <li>• supplemental resources</li> <li>• posters and charts</li> <li>• chrome books</li> <li>• periodic table chart</li> <li>• slinky, rubber bands, yo-yo</li> <li>• wooden ramp &amp; ball</li> <li>• battery &amp; light simple circuit demo</li> <li>• electricity and energy video</li> </ul>	PS. 1 PS. 2 PS. 3 PS. 4 PS. 5 PS. 6 PS. 7	<ul style="list-style-type: none"> <li>• quizzes</li> <li>• tests</li> <li>• homework</li> <li>• states of matter tri-fold</li> <li>• video reflection</li> <li>• types of energy game sheet</li> </ul>
March	Standardized Testing Reviews (2 weeks)  Testing (1 week)  Physical Science (1 week)	<ul style="list-style-type: none"> <li>• MCAS packet questions completed for HW and review in class</li> <li>• Do Stanford practice tests and review any missing concepts</li> <li>• learn about magnetic energy</li> <li>• magnets have poles</li> </ul>	<ul style="list-style-type: none"> <li>• Sci MCAS packet</li> <li>• Stanford test prep materials</li> <li>• text</li> <li>• workbook sheets</li> <li>• supplemental resources</li> <li>• posters and charts</li> </ul>	PS. 8 PS. 9 PS. 10	<ul style="list-style-type: none"> <li>• quizzes</li> <li>• test</li> <li>• homework</li> <li>• video reflection</li> <li>• magnet lab and lab sheet</li> </ul>

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		<ul style="list-style-type: none"> <li>magnets attract some materials and not others</li> <li>learn about electromagnets</li> </ul>	<ul style="list-style-type: none"> <li>chrome books</li> <li>magnet wands, magnet kit, iron filings, magnetic &amp; non-magnetic materials</li> <li>magnet video</li> </ul>		
April	Physical Science (2 weeks)  vacation (1 week)  Science project (1 week)	<ul style="list-style-type: none"> <li>learn about light energy; reflection, refraction, absorption</li> <li>learn about sound energy; vibration and pitch</li> <li>introduce science projects</li> <li>discuss rules for choosing a topic &amp; deadline</li> <li>learn about what a testable question is</li> <li>review the steps of the scientific method</li> <li>learn what scientific research is</li> <li>learn how to write a bibliography entry for a source</li> <li>start topic research in class</li> </ul>	<ul style="list-style-type: none"> <li>text</li> <li>workbook sheets</li> <li>supplemental resources</li> <li>posters and charts</li> <li>chrome books</li> <li>flashlight, mirrors, straw and clear glass w/ water, metal spoon</li> <li>different size bells, different noise making materials and sound muffling materials</li> </ul>	PS. 11 PS. 12  TE. 1 TE. 2	<ul style="list-style-type: none"> <li>quizzes</li> <li>tests</li> <li>homework</li> <li>due date/ progress monitoring check-ins</li> <li>homework</li> <li>culminating project assessment</li> </ul>
May	Science Projects	<ul style="list-style-type: none"> <li>finish topic research</li> <li>form hypothesis</li> <li>write experiment procedures and materials lists</li> </ul>	<ul style="list-style-type: none"> <li>supplemental resources</li> <li>posters and charts</li> <li>chrome books</li> </ul>	TE. 1 TE. 2	<ul style="list-style-type: none"> <li>homework</li> <li>quizzes</li> <li>due date/ progress</li> </ul>

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		<ul style="list-style-type: none"> <li>learn how to create graphs electronically</li> <li>view samples of tri-fold display boards and prior year lab reports</li> <li>work on report drafts in class</li> <li>learn appropriate presentation skills and practice in class</li> </ul>	<ul style="list-style-type: none"> <li>bread, jelly, fluff, paper plates, napkins, plastic knives (for procedures demonstration)</li> <li>prior year project samples</li> </ul>		<ul style="list-style-type: none"> <li>monitoring check-ins</li> <li>culminating project assessment</li> </ul>
June	Sci. Proj. presentations Experiments Year wrap up	<ul style="list-style-type: none"> <li>students will present science projects as if it were a real science fair and give an oral presentation in class</li> <li>do any other “fun” lab activities that time did not permit during the year</li> </ul>	<ul style="list-style-type: none"> <li>supplemental resources</li> <li>posters and charts</li> <li>chrome books</li> <li>other?</li> </ul>	TE. 1 TE. 2	<ul style="list-style-type: none"> <li>final presentation</li> <li>classwork</li> </ul>